

A B S T R A C T

SYSTEM FOR THE CONTROLLED OPERATION OF A DEVICE
PROPELLED BY ELECTRIC MOTOR

Sub
B1

5 of a transporting device comprising at least two drive
wheels propelled by electromotive means, in which system
at least two drive wheels are each propelled by
independent electric motors; each electric motor receives
electric power through an independent power amplifier
10 which amplifies electrical signals produced by sensor
means; the sensor means detect a mechanical force applied
on a push and pull element, and convert said mechanical
force into electrical signals which indicate the degree
and the direction of the mechanical force applied on said
15 push and pull element; and the amplifier amplifies the
signal in accordance with a factor which is a function of
the weight that the trolley has to move and it feeds the
electric motor so it can power the drive motor in
accordance with a torque corresponding to the movement
20 ordered through the sensor means.

FOI80-20695860

25

30

35